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Halves - Year 1

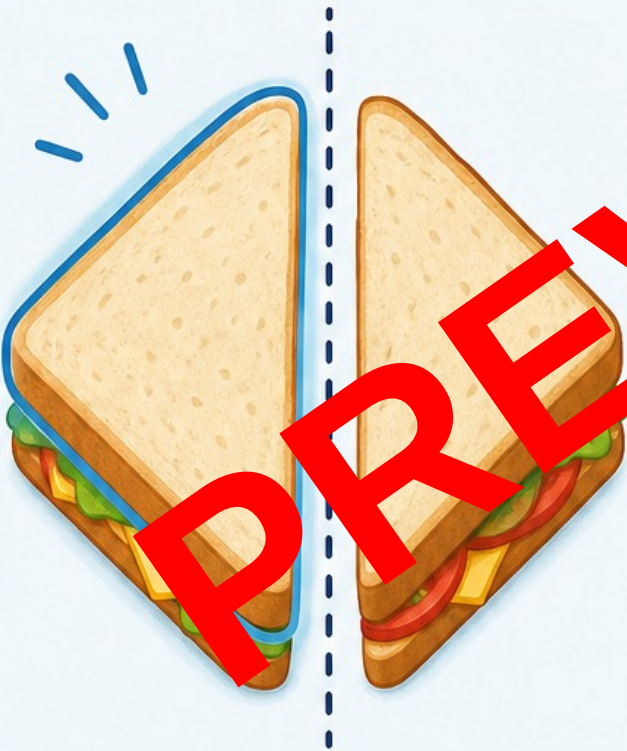
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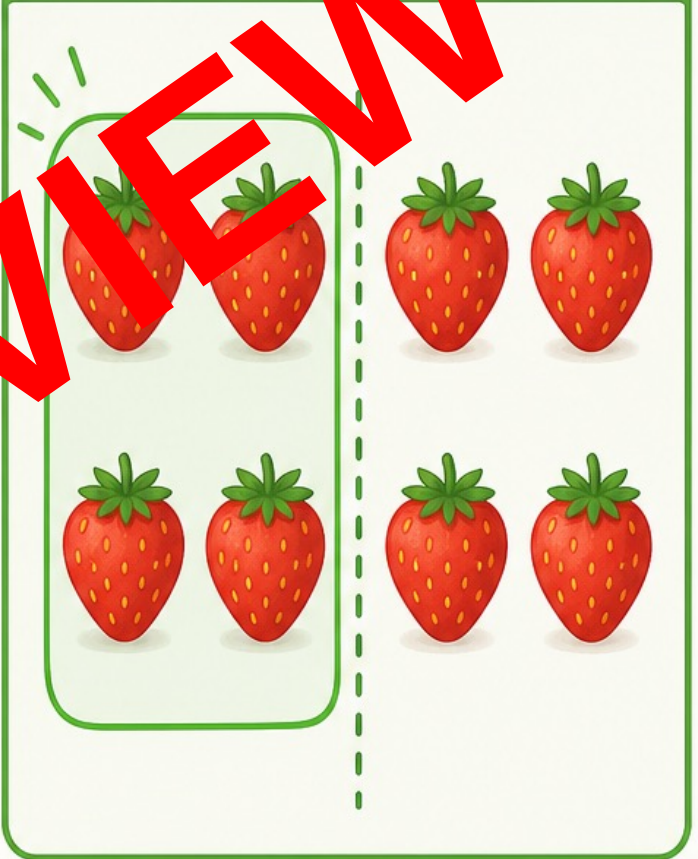
HALVES

A half is one of two equal parts of a whole.

HALF OF AN OBJECT



HALF OF A COLLECTION



EQUAL SIZE

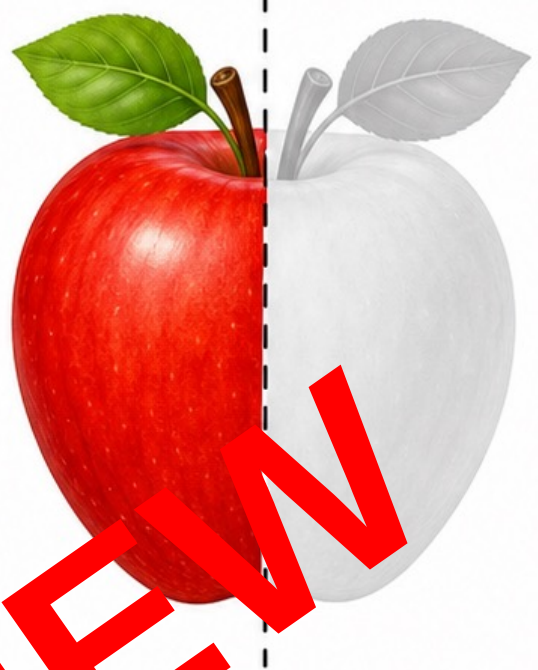


EQUAL
NUMBER

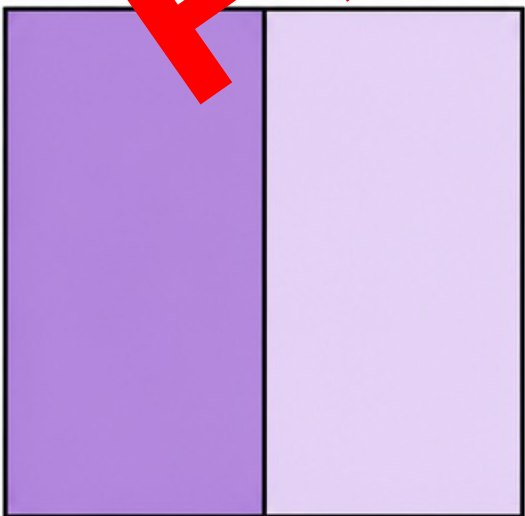
ONE WHOLE



ONE HALF



EQUAL PARTS



HALF OF A GROUP



●★ HALF OR NOT? SORT AND MATCH ▲●

1. Cut out the cards.

2. Take turns placing a card.

3. Explain why it is or is not a half.

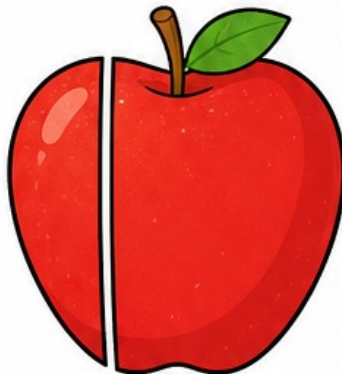
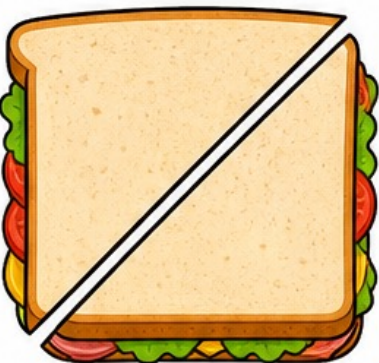
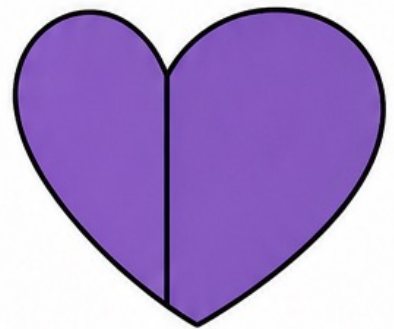
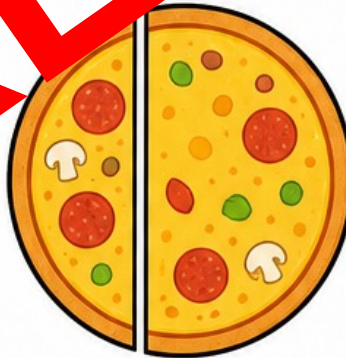
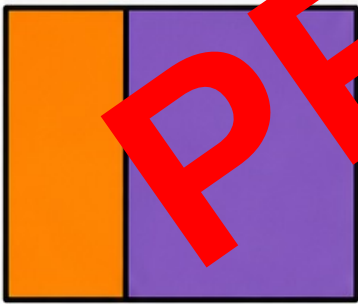
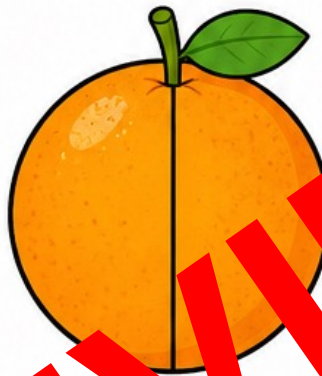
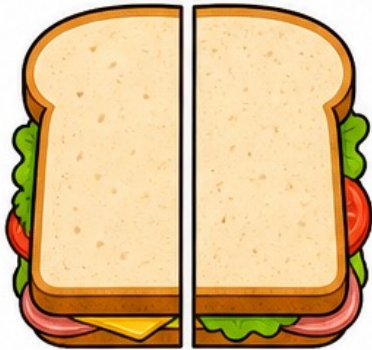
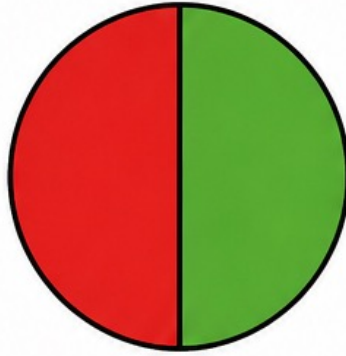
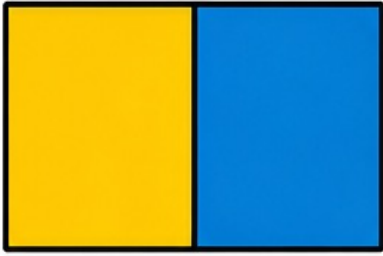
4. Check the sort together.

HALF

NOT HALF

PREVIEW

HALF OR NOT? CARDS



PREVIEW

SHARE IT FAIRLY



Turn over a card.



Share the items
into two equal groups.



Show how many
each player gets.



Keep the card
if you are correct.



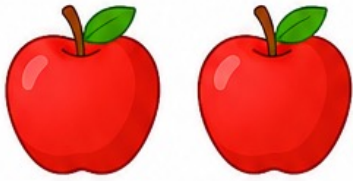
The player with
the most cards wins.

PLAYER 1

PLAYER 2



SHARE IT FAIRLY CARDS



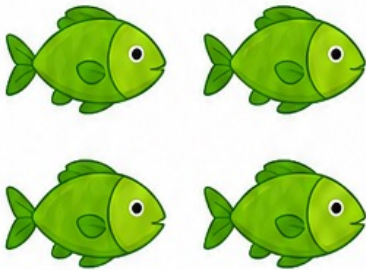
Half is ____



Half is ____



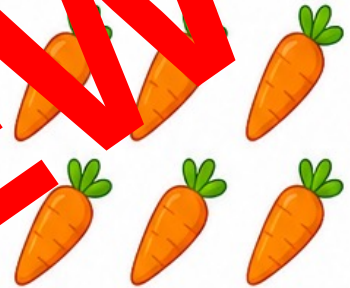
Half is ____



Half is ____



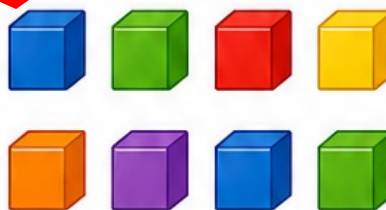
Half is ____



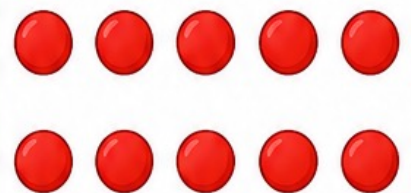
Half is ____



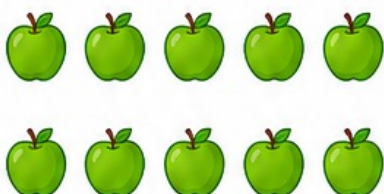
Half is ____



Half is ____



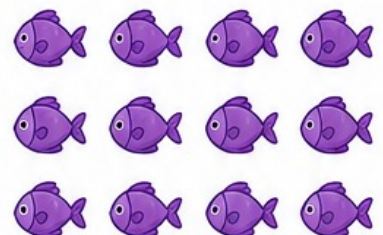
Half is ____



Half is ____



Half is ____



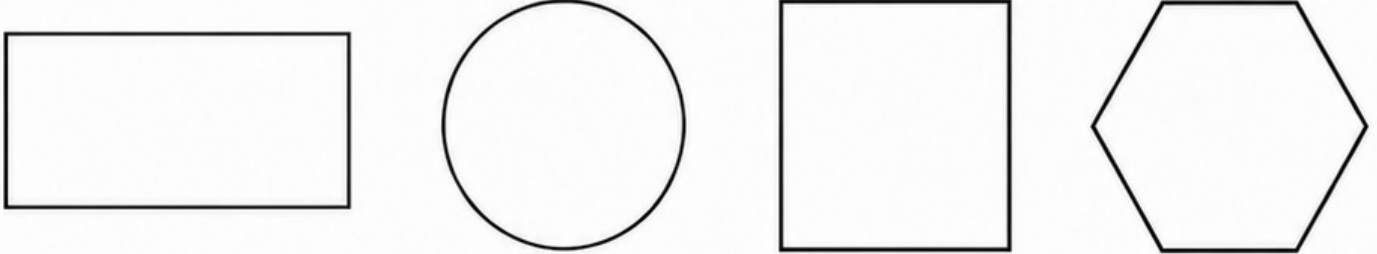
Half is ____

Name: _____



SPLIT THE SHAPES

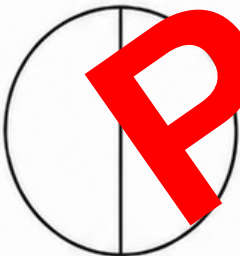
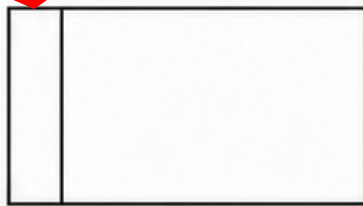
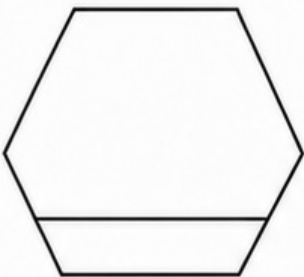
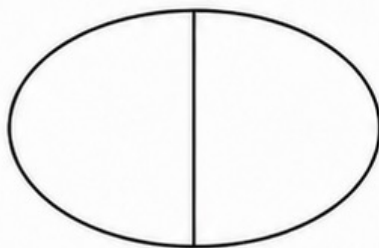
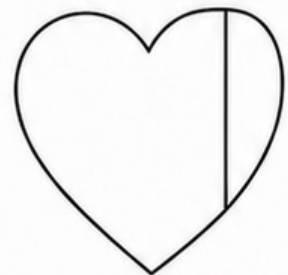
- 1** Draw a line to split each shape into two equal parts.



- 2** Colour one half of each shape.



- 3** Tick the shapes that are ready to split into equal halves.

☐☐☐☐☐☐

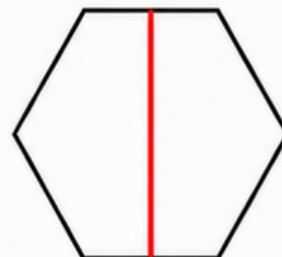
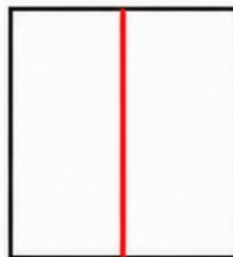
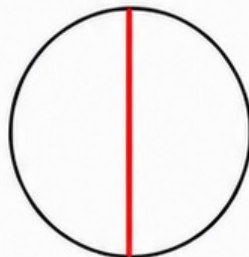
Name: _____

ANSWERS

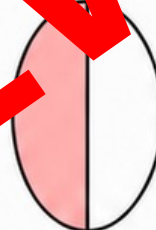
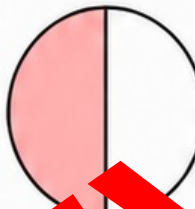
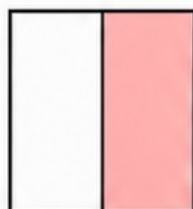
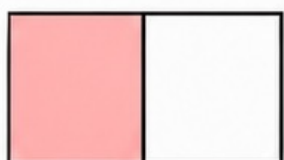


SPLIT THE SHAPES

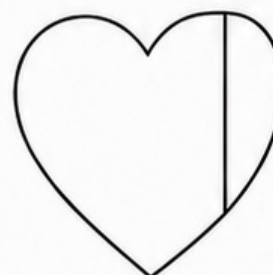
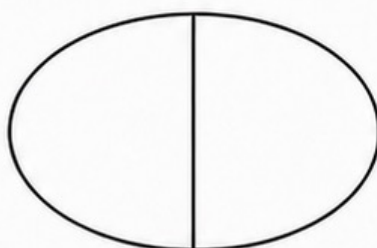
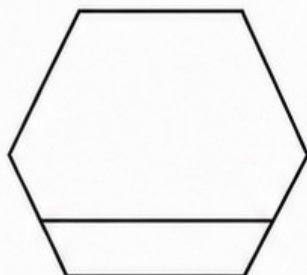
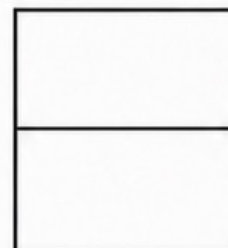
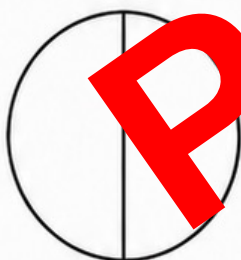
- 1 Draw a line to split each shape into two equal parts.



- 2 Colour one half of each shape.



- 3 Tick the shapes that are ready to split into equal halves.

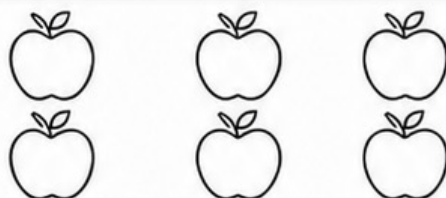


Name: _____

HALF OF A COLLECTION

1 Circle one half of each collection.

6 apples



8 stars



10 counters



12 fish



2 Complete each number sentence.

Half of 2 is ____

Half of 8 is ____

Half of 4 is ____

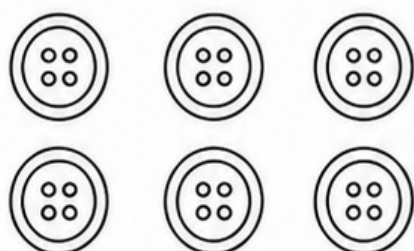
Half of 10 is ____

Half of 6 is ____

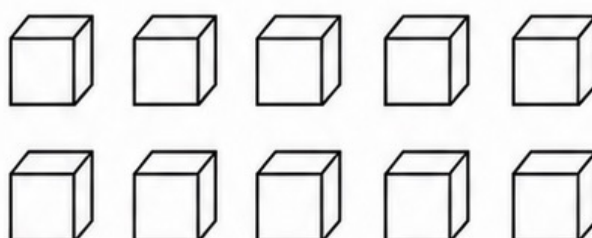
Half of 12 is ____

3 Draw a line to make two equal groups.

6 buttons



10 blocks

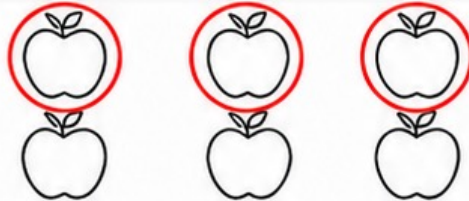


Name: ANSWERS

HALF OF A COLLECTION

1 Circle one half of each collection.

6 apples



8 stars



10 counters



12 fish



2 Complete each number sentence.

Half of 2 is 1

Half of 8 is 4

Half of 4 is 2

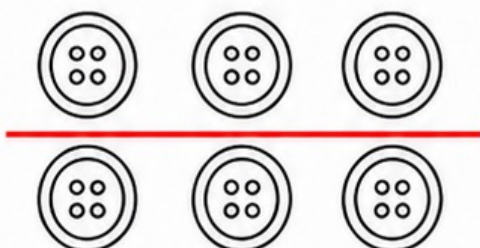
Half of 10 is 5

Half of 6 is 3

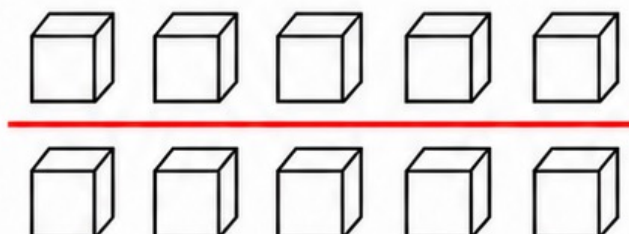
Half of 12 is 6

3 Draw a line to make two equal groups.

6 buttons



10 blocks



Name: _____



EQUAL OR NOT EQUAL?



Look at each example. Tick EQUAL if both parts have the same amount.

Tick NOT EQUAL if the parts are not the same.

1.

☐ EQUAL	☐ NOT EQUAL

2.

☐ EQUAL	☐ NOT EQUAL

3.

☐ EQUAL	☐ NOT EQUAL

4.

☐ EQUAL	☐ NOT EQUAL

5.

☐ EQUAL	☐ NOT EQUAL

6.

☐ EQUAL	☐ NOT EQUAL

7.

☐ EQUAL	☐ NOT EQUAL

8.

☐ EQUAL	☐ NOT EQUAL

Halves must be _____ parts.

Name: ANSWERS



EQUAL OR NOT EQUAL?



Look at each example. Tick EQUAL if both parts have the same amount.

Tick NOT EQUAL if the parts are not the same.

1.

☒ EQUAL	☐ NOT EQUAL

2.

☐ EQUAL	☒ NOT EQUAL

3.

☒ EQUAL	☐ NOT EQUAL

4.

☐ EQUAL	☒ NOT EQUAL

5.

☒ EQUAL	☐ NOT EQUAL

6.

☐ EQUAL	☒ NOT EQUAL

7.

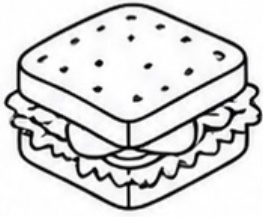
☐ EQUAL	☒ NOT EQUAL

8.

☒ EQUAL	☐ NOT EQUAL

Halves must be equal parts.

Name: _____



HALVES AROUND US



Draw three things from home or school that can be split or shared into halves. Show the whole, then show two equal parts.

WHOLE	TWO EQUAL PARTS	HOW I KNOW

WHOLE	TWO EQUAL PARTS	HOW I KNOW

WHOLE	TWO EQUAL PARTS	HOW I KNOW

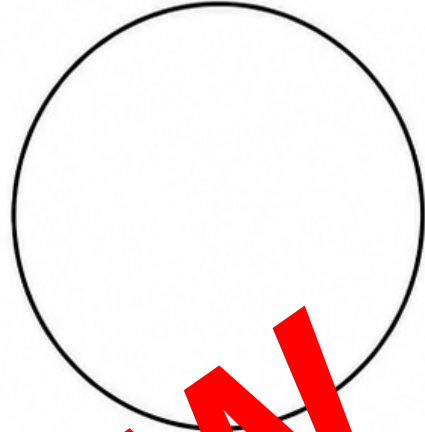


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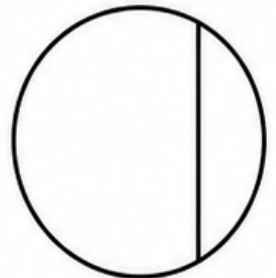
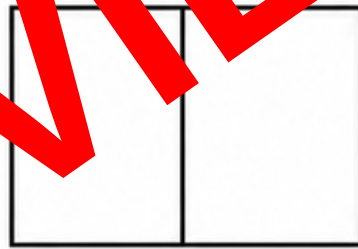
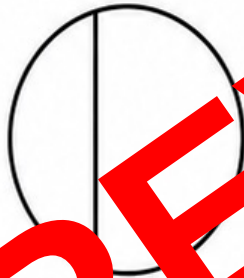
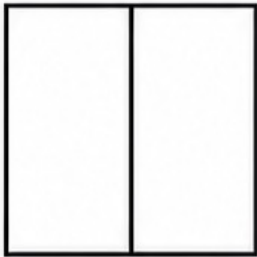
HALVES CHALLENGE



1. Draw one half of each shape.



2. Circle the two diagrams that do NOT show halves.



3. Maya has 14 counters. She shares them equally with one friend.
How many counters does each child get?

Answer: _____

4. Write each half.

Half of 4 = ____

Half of 8 = ____

Half of 10 = ____

Half of 12 = ____

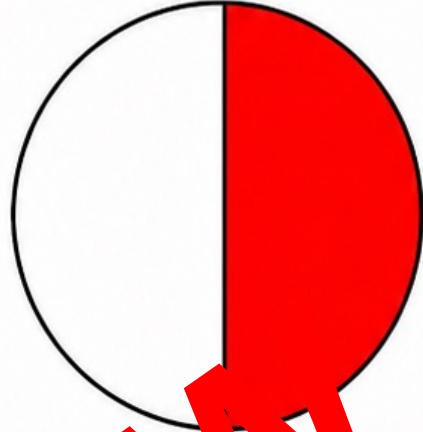
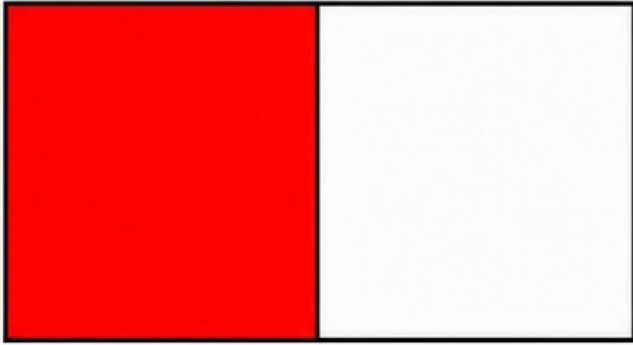


Name: ANSWERS

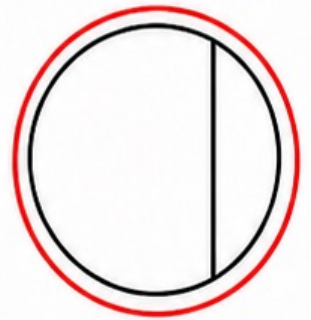
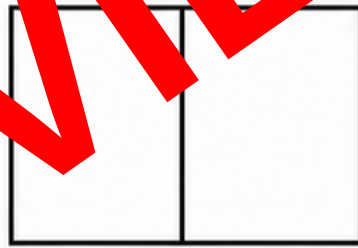
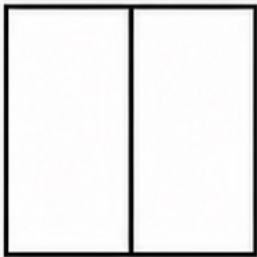


HALVES CHALLENGE

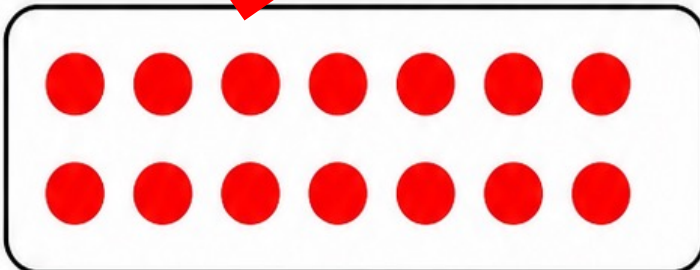
1. Draw one half of each shape.



2. Circle the two diagrams that do NOT show halves.



3. Maya has 14 counters. She shares them equally with one friend.
How many counters does each child get?



Answer: 7

4. Write each half.

Half of 4 = 2

Half of 8 = 4

Half of 10 = 5

Half of 12 = 6

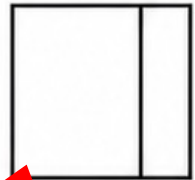
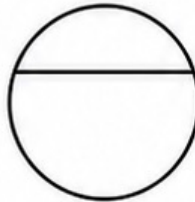
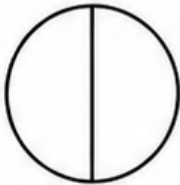
HALVES CHECK-UP

Name: _____

Total: ____ /10

1. A half is one of ____ equal parts of a whole.

2. Tick the diagram split into equal halves.



3. Colour half of the rectangle.

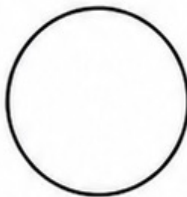


4. Circle half of 6 balloons.



5. Half of 8 is ____.

6. Draw a line to split the circle into halves.



7. EQUAL or NOT EQUAL?



8. Half of 10 is ____.

9. Can 7 counters split exactly into halves? YES / NO.

10. Twelve strawberries are shared equally between two children.
Each child gets ____.

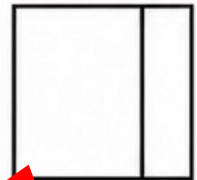
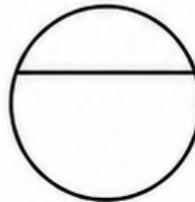
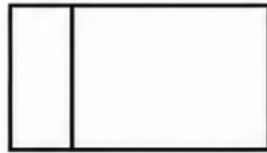
HALVES CHECK-UP

Name: _____ **ANSWERS**

Total: _____ **10/10**

1. A half is one of two equal parts of a whole.

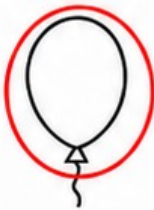
2. Tick the diagram split into equal halves.



3. Colour half of the rectangle.

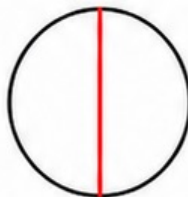


4. Circle half of 6 balloons.



5. Half of 8 is 4.

6. Draw a line to split the circle into halves.



7. **EQUAL** or NOT EQUAL?



8. Half of 10 is 5.

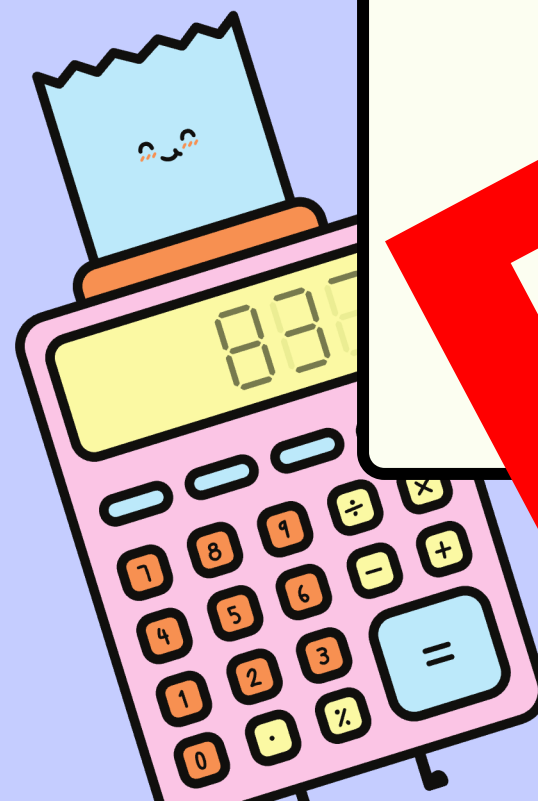
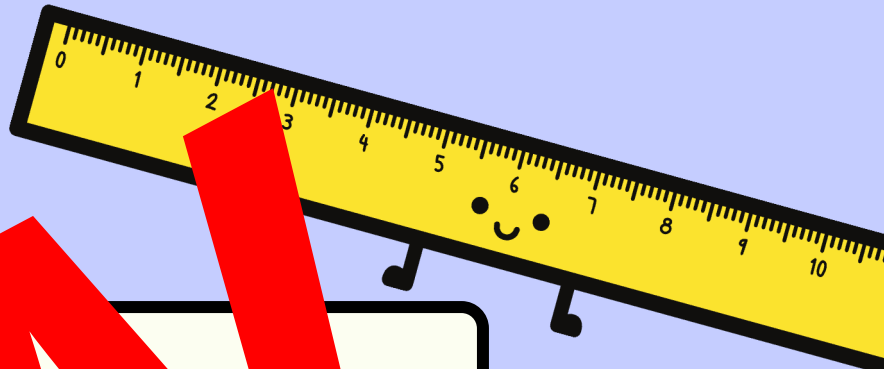
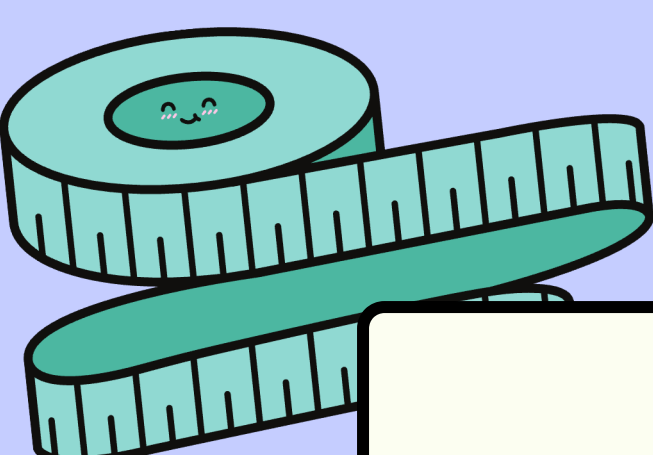
9. Can 7 counters split exactly into halves? YES / **NO**.

10. Twelve strawberries are shared equally between two children.
Each child gets 6.

HALVES - YEAR 1 RUBRIC



CRITERIA	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Recognises halves as two equal parts	Needs support to recognise halves. Rarely identifies two equal parts.	With prompts, sometimes recognises halves as two equal parts.	Independently recognises halves as two equal parts. Usually correct.	Accurately recognises halves as two equal parts and explains clearly.	Applies understanding of halves flexibly in varied contexts and justifies thinking.
Splits shapes into two equal parts	Needs support to split shapes. Rarely makes two equal parts.	With prompts, sometimes splits shapes into two equal parts.	Independently splits shapes into two equal parts. Usually correct.	Accurately splits shapes into two equal parts and explains how.	Splits shapes flexibly in different ways and justifies that the parts are equal.
Finds half of even collections	Needs support to find half. Rarely shares collections equally.	With prompts, sometimes finds half of even collections.	Independently finds half of even collections. Usually correct.	Accurately finds half of even collections and explains reasoning.	Finds halves of even collections flexibly and justifies using number sentences or words.
Explains why parts are or are not halves	Needs support to explain. Rarely identifies or explains halves.	With prompts, sometimes explains why parts are or are not halves.	Independently explains why parts are or are not halves. Usually correct.	Accurately explains why parts are or are not halves using clear reasons.	Explains flexibly and justifies using precise language and examples.
Uses halves in everyday sharing	Needs support to share equally. Rarely uses halves in real situations.	With prompts, sometimes shares equally using halves in everyday contexts.	Independently shares halves to share equally in everyday situations. Usually correct.	Accurately shares equally using halves and explains choices.	Uses halves flexibly in real situations and justifies fair sharing decisions.



PREVIEW

Halves



Learning Intention

We are learning that one half is one of two equal parts.

SUCCESS CRITERIA

can split a whole into two equal parts.

find half of an even collection.

can explain why parts are or are not halves.



What Is a Half?

A half is one of two equal parts of a whole.

The two parts must be the same size or the same number.

Two halves join to make one whole.



Equal Parts

EQUAL means the same.

If we split a shape into halves, both pieces must be the same size.

If one piece is bigger, the pieces are not halves.



Halves of Shapes

A shape can be split into halves in different ways.

A rectangle can split up and down.

A circle can split across the middle.

□ A square can split corner to corner.

Each split must make two equal parts.



Not Halves

These are NOT halves:

- one part is larger than the other
- a line is not through the middle
- there are more than two parts

Ask: Are there exactly two equal parts?



Halves in Everyday Life

We see halves when we:

- cut an apple for two people
- divide a paper into two equal parts
- share a sandwich fairly
- divide a group into two equal teams

Where have you seen halves?



Sharing One Object Fairly

1. Start with one whole object.
2. Split it into exactly two parts.
3. Check that the parts are equal in size.
4. Give one equal part to each person.

Each person receives one half.



Half of a Collection

A collection can be shared into two equal groups.

• • • | • • •

There are 6 counters.

Each equal group has 3 counters.

Half of 6 is 3.



Count and Share

To find half of a collection:

1. Count the total.
2. Give one item to each group in turn.
3. Keep sharing until none are left.
4. Count one group.

That number is one half.



Even Collections

Even collections can be shared into two equal groups with no leftovers.

$2 \rightarrow 1 \text{ and } 1$

$4 \rightarrow 2 \text{ and } 2$

$8 \rightarrow 4 \text{ and } 4$

$12 \rightarrow 6 \text{ and } 6$

The equal groups show halves.



What If One Is Left?

Try sharing 7 counters into two groups.

• • • • • + •

One counter is left over.

The collection cannot split exactly into two equal whole-number groups.



Is It a Half?

Think about each example:

- A. 4 stars and 4 stars from 8
- B. 4 buttons and 4 buttons from 6
- C. a circle split through its centre
- D. a rectangle split near one edge

Which examples show halves? Explain.



Explain Your Thinking

Use these sentence starters:

“It IS a half because ...”

“The two parts are equal because ...”

“It is NOT a half because ...”

“To make equal halves, I would ...”

Use the words whole, equal and half.



Worked Example: Half of 6

Start with 6 counters.

• • • • •

Share equally into two groups:

• | • • •

Each group has 3.

Half of 6 is 3.



Worked Example: Half of 10

Start with 10 counters.

.....

Split into two groups that are equal.

Each group has 5 counters.

Half of 10 is 5.

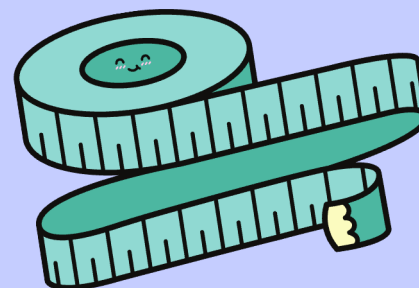
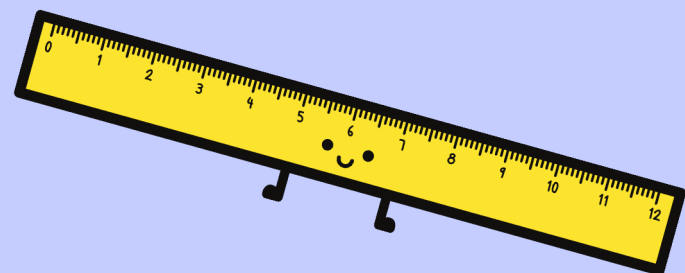
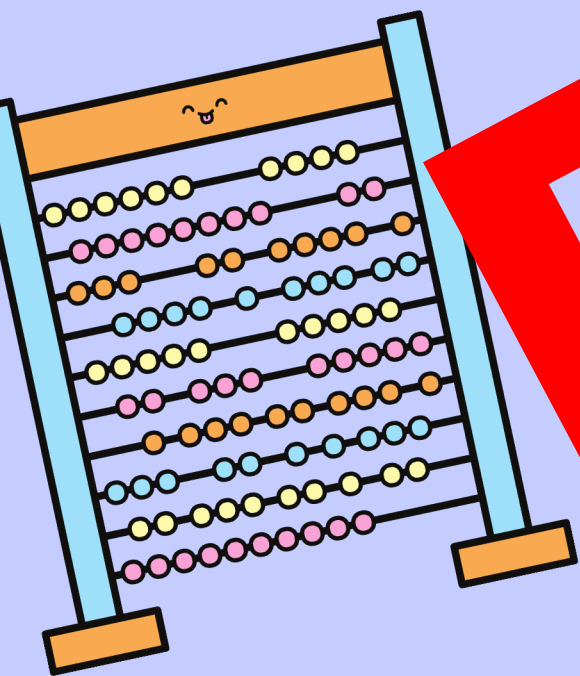
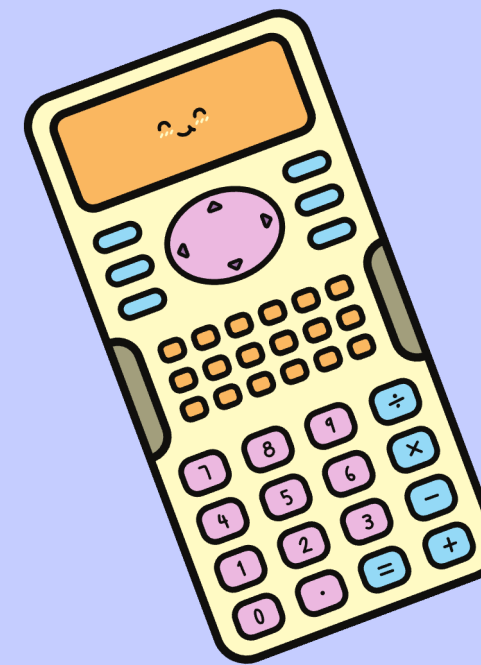
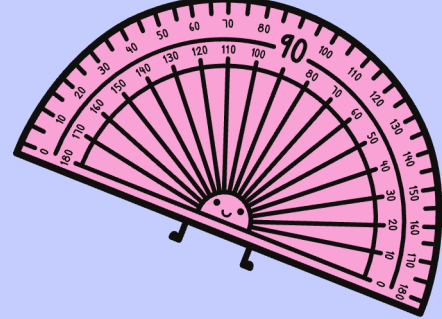
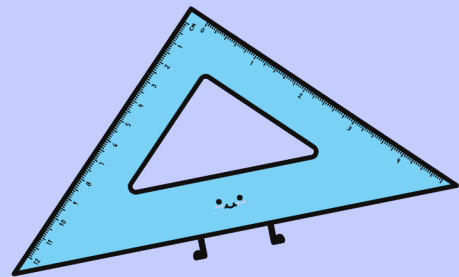
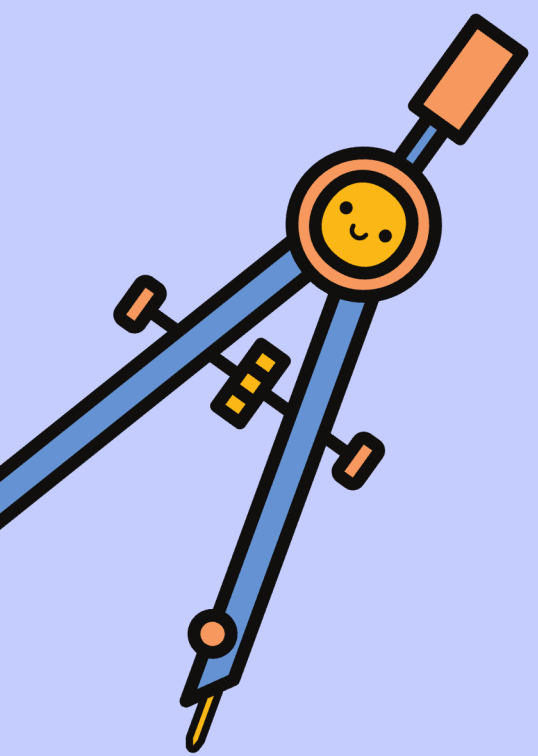


Class Activity

Work with a partner.

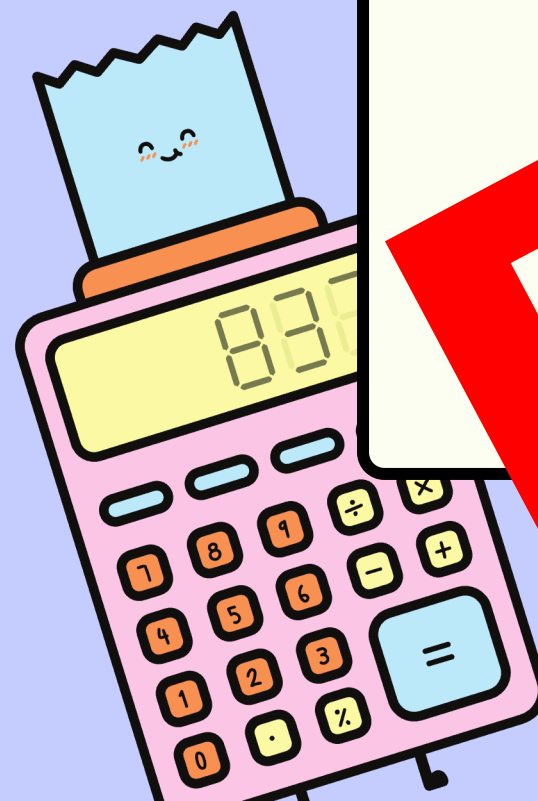
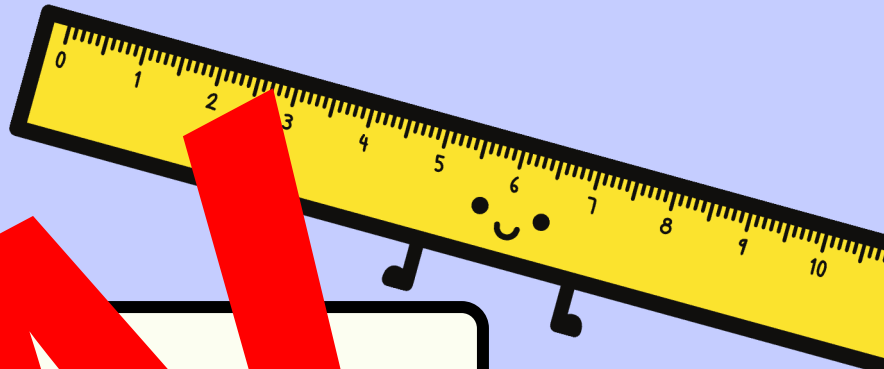
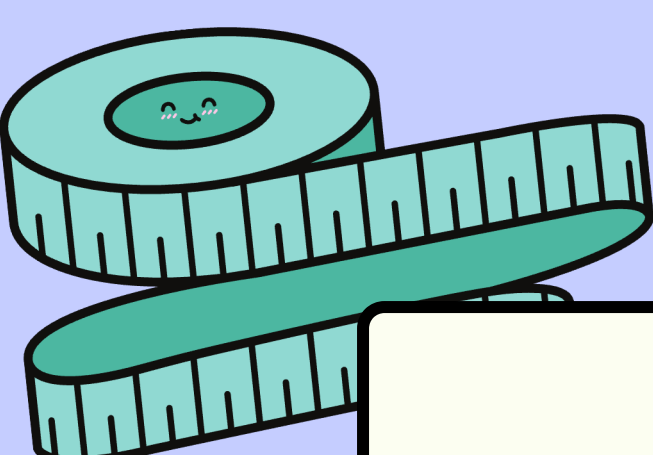
1. Choose an even number of counters from 2 to 12.
2. Show the number in two equal groups.
3. Say the half aloud.
4. Draw the whole and its two equal halves.
5. Swap and check your partner's work.





PREVIEW

Well Done!



PREVIEW

Halves Quiz

A cartoon character of a notepad with a face, wearing a blue graduation cap and holding a yellow pencil, is positioned in the bottom-right corner of the central white area.

Question 1

True or False?

Half is one of two equal parts of a whole.



Answer 1

TRUE

Answer must be one of either two equal parts.



Question 2

Which diagram would show equal halves?

- A. A square with a line near one edge
- B. A circle with a line through its centre
- C. A triangle with one tiny corner cut off
- D. A rectangle split into three parts



Answer 2

B

The line through the center divides two equal parts.



Question 3

PREVIEW

Short Answer
What is the focus?



Answer 3

3

6 shared into two equal groups gives 3 in each group.



Question 4

True or False?

10 groups of 4 made 10 are equal halves.



Answer 4

TRUE

4 and 4 are equal, and together they make 8.



Question 5

What is half of 10?

- A. 4
- B. 5
- C. 6
- D. 8



Answer 5

B. 5

10 shared equally into 5 and 5.



Question 6

Short Answer

When 7 counters are divided exactly into halves?

PREVIEW



Answer 6

One counter is left over.

7 is odd, so it cannot make two equal whole-number groups.



Question 7

Which pair shows values of e ?

- A. 2 and 4
- B. 3 and 3
- C. 1 and 5
- D. 0 and 6



Answer 7

B. 3 and

Two groups are equal together total 6.



Question 8

True or False?

Two unequal parts are called halves.



Answer 8

FALSE

Halves must be equal parts.



Question 9

Correct Answer

Twelve strawberries are shared equally between two children. How many does each child get?



Answer 9

strawberries

12 shared into two equal groups gives 6 in each group.



Question 10

A whole collection has 10 counters. What is one half?

- A. 5
- B. 6
- C. 7
- D. 8

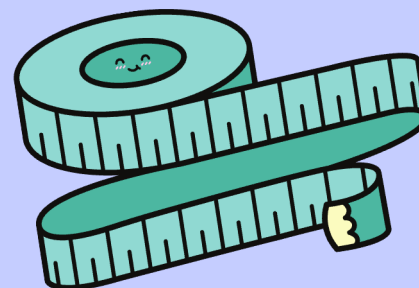
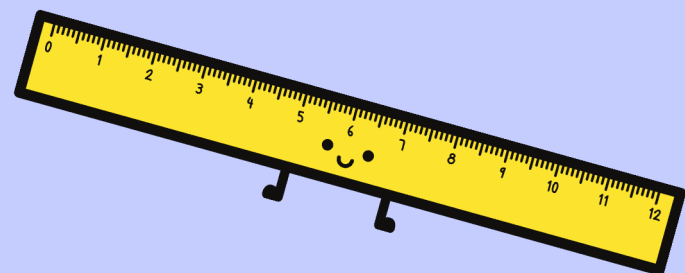
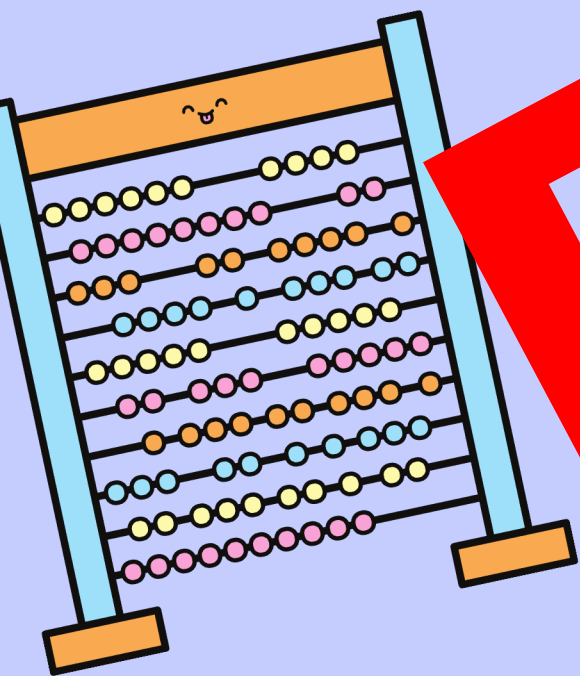
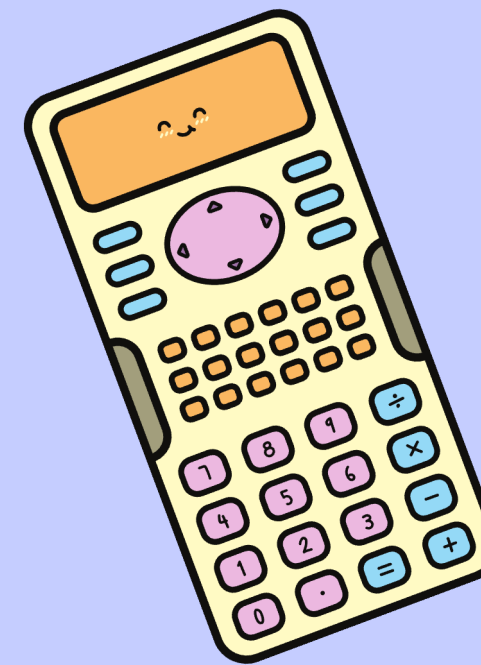
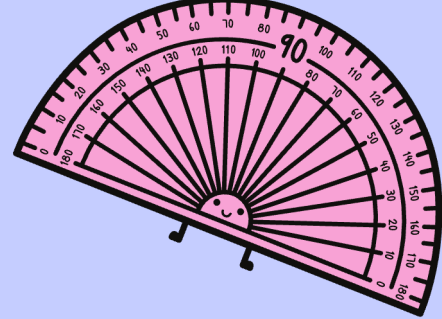
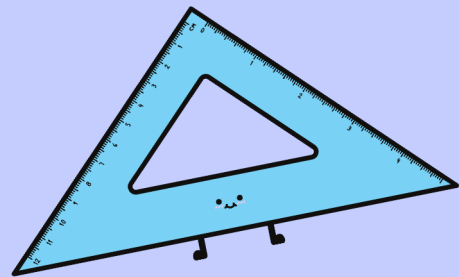
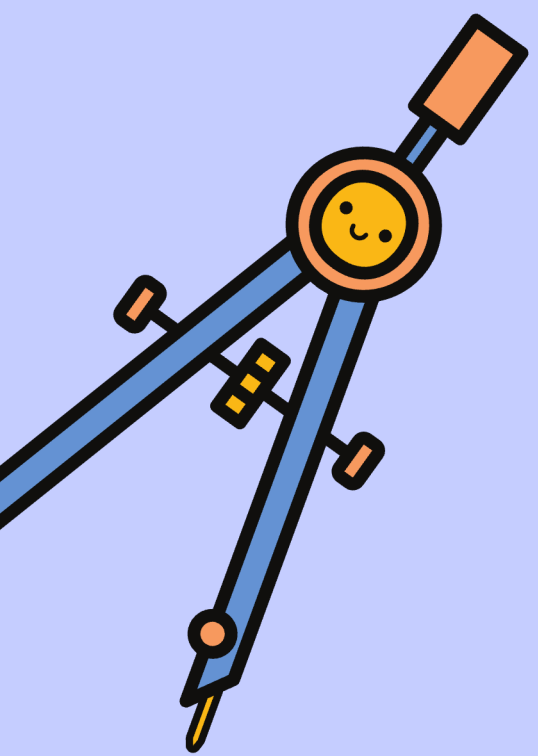


Answer 10

C. 7

14 shared equations with 7 and 7.





PREVIEW

Well Done!